




**Nucleotide**


[PubMed](#)
[Nucleotide](#)
[Protein](#)
[Genome](#)
[Structure](#)
[PMC](#)
[Taxonomy](#)
[OMIM](#)
[Bo](#)

Search ☒ Nucleotide ☐ for

[Limits](#)
[Preview/Index](#)
[History](#)
[Clipboard](#)
[Details](#)

Display  Show:

## Links

□1: AY029200. Homo sapiens two-...[gi:20384653]

```

LOCUS       AY029200
DEFINITION  Homo sapiens two-pore calcium channel protein 2 mRNA, complete cds.
ACCESSION   AY029200
VERSION     AY029200.1  GI:20384653
KEYWORDS    .
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
             Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1 (bases 1 to 2939)
AUTHORS     Zhu,M.X.
TITLE       Molecular cloning of a novel two-pore calcium channel protein
JOURNAL     Unpublished
REFERENCE   2 (bases 1 to 2939)
AUTHORS     Zhu,M.X.
TITLE       Direct Submission
JOURNAL     Submitted (03-APR-2001) Neurobiotechnology Center, The Ohio State
             University, 168 Rightmire Hall, 1060 Carmack Road, Columbus, OH
             43210, USA

```

```

143210, USA
Location/Qualifiers
1..2939
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/chromosome="11"
/map="11q13"
102..2360
/CDs
/note="TPC2"
/codon_start=1
/product="two-pore calcium channel protein 2"
/protein_id="AAK1802.1"
/db_xref="GI:20384654"
/translation="MAEPAQAESEPLLGARGGGGDWPAGLTTYRSIQVGPGAAARWDL
CIDQAVFYIEDAIIYRSINRHVADSSMWLYRRYYSNVCGRTLSTFIPLILFAPITFP
SSTLTADVYIRAAPEWPPCGLTSESVLCECLLVFAADLSVKGYLFGWAHFGQKNLWLLG
YLVVLVSVLDVTMSVLSGLCHEPLIRRLRLPFFLLCSNMMKKTLKCRWSLPEMAS
YGLLAIHLCLTFMFGMLLFPAGGKQDDGQDRERLTYFQNLPESLTSLVLLTANNPDP
VMI PAYSKNRAYAIIFFIVFTVIGSLFMNLNLLQVLQVKVQLDSSHKQAMKEKVSYSGLVLS
RAAFEVLSMSMVGEGGAPFQAVGVKPNLLQVLQVKVQLDSSHKQAMKEKVSYSGLVLS
AEFEQDLFNELNDRSVVVKHGPMPPEYQSPFLQSAQFLFGHYFDFVLGNLIALANLIVSIC
VFVLVDADVLPAERDDFLILGNCVFIVYYLLEMLLKV FALGLRGYLSYPSNPFDELGL
TVVLLVLEISTLAVLYLPHPGWRPEMVGLLSLWDMTRMLNLIVFRFLRIIPSKMPMA
VVASTVLGLVQNMRAFGGILVYVVYVFAIIGINLFRGVIMVALPNSSLAPANGVAPGCG
SFEQLEYWANNFDDFAAALVTLWNLMMVNWQVFLDAYRRYSGPWSYIYFVLWLVLS
YIWNVLFLALILENLFHLKWDPRSHLQPLAGTPEATYQMTVELLFRDILBEEPEDELTE
RLSQPHLWLCCR"

```

```

      RLSQHPHLWLCR"
BASE COUNT      515 a      833 c      882 g      709 t
ORIGIN
  1 agcaagaacg ccaggggacg ggtctccgcg cctgcgcagt gaagctgggc gcctctgggg
  61 cttgagcttc tgagggtcgg gtccagcgcg tgggctcgct gatggcggaa cccacaggcg
  121 agtcggagcc cctcgtgggc ggggcccgcg gcggtgcggc cgactggcgc gcggggctga

```

```

181 ccacttaccg cagcatccaa gtcggccctg gtgcccggcg caggtagggac ctctgcattg
241 atcaggctgt ggtcttcctc gaagatgcta ttcagtagcc ctccatcaac caccgggtgg
301 atgccagctc gatgtggctt taccgacggt attactcgaa cgatatccaa cggactctga
421 gcttcaccat ctctttgato ctgtttttgg cttttatcga gaccccatcc tcactacca
481 gtgtcgaggt cgtgcgctac cgcgctgcc cctgggagcc gccctcgccg ctgaccgaga
541 tgcgggtggc gctctgectg ctgggtcttg cggccgacct ctctgtgaag ggttacctgt
581 ccatttccag ggaattccag ggttccctga ggtctgtgtg ctactcgtgt ctgtgggtgg
601 tgtctctggt ggaactggacc tctctgtctg agaactcctc tatgatgaag aagaccttga
661 gccgctcttc ccgtcccttc ccggaatagg ccagcgtcgg gctgctgctg ccacatccac
721 aatgcattct ctggctgctg ggaatgctgc tgggtctgtg tgggaagcag gatgatgggc
781 tgtgctcttc caccatgttc tacttccaga gctctgtact gtctctgact tccctctgg
841 aggacaggga gaggctgacc aaccccgatg tgatgattcc tgcgtattcc aagaaccggg
901 tgcgtctgac cagcgccaac gtcttccact cagttccggg gctacctgat cctatccctc
961 cctatgccat ctcttccata catctacagt cagttccggg cctttgaagt cctatccctc
1021 tgacagccat gcggtctgga acccgggctg cctttgaagt tgaagcccca gaacttctgt
1081 tgtttcggag ctctccctcag gcagttgggg aggcctatgat ggagaaaggt cctgtctact
1141 aggaaggagc gctggacagc tcccacaac aggcctatgat ggagaaaggt cctgtctact
1201 aggaaggcca gctgtcagct gaggagtttc accagtctcc gtttctgcag agcggccagt
1261 gcagtgttct gcacccgcgc tttgactacc tggggaacct cctgtctgag catcgccctg
1321 tgggttaaga gctgttctct gctgtctgat tgctgttctc cctgttggag atgtgctca
1381 tctctctcgg ccactactac gtcgtgctat tgctgttctc cagcaacgtg cgattgccac
1441 tgttccattg cgtgttctct gtcgtcttca ttgtgacta cctgttggag atgtgctca
1501 tcatcctggg gattctcaac tgctgtctat tctcaactct cagcaacgtg cgattgccac
1561 aggtcttttc cctgggctcg gtagggtacc gtttggaga tctcaactct cagcaacgtg
1621 tctcaccgtg tgcctgctg gtttggaga tgcgtctcgt gtgggacatg acccgcatgc
1681 acccaggctg gaggccggag atggtgggccc gtagctgaag cctgttggag ccgatggcgc
1741 tgaacatgct catcgtgttc cgcttctcgc gtagctgaag gtagctgaag ccgatggcgc
1801 tgggtggcag taccgtctg ggcctgggct gccatcattg gtagctgaag gtagctgaag
1861 tgggtgctca ctacgtattt ctggccctcg ccaatggctc ggccgctgtg gtagctgaag
1921 ctcttctcgg aaacagcagc ctggccctcg ccaatggctc ggccgctgtg gtagctgaag
1981 agcagctgga gtagctggcc aacaactctg atgactttgc tgcatacgg cgctactcag
2041 ggaacttgat ggtggtgaac aactggcagg tgtttctgga tgcgtctgtc atctgggttc
2101 gccctgggtc caagatctat tttgtattgt ggtggtggtg gtgggacccc ctagccacc
2161 acctgtttct ggcctgattt ctggagaact tcttccaca gactgtggag cctgttcca
2221 tgcagccctc tgcgtggacc ccagaggcca agctcacaga gaggctgagc cagcaccgcg
2281 gggatattct ggaggagccc gaggaggatg agctcacaga cagggtgagc cagcaccgcg
2341 acctgtggct gtgcagggtg cgtccgggct gccgtccccg cagggtgagc cagcaccgcg
2401 ggttgcccta cacagggtgc cgtcatggaa gaggcgccca tgcgtgggct tgcgtgggct
2461 gaagagacct ttccctctgac ggaaccactaa tgggtgcttc gggaggcgcc cgttgcgtg
2521 tggcccaaca accgtctaca agtgcagctg cctcgtctga ctccacaggg acccttcaga
2581 ctttctttta tagctgcttc agtgagaatt cctcgtctga ctccacaggg acccttcaga
2641 caaaatgca agaagcagcg gcctccctcg caggccctgac cagggttaac cgtcagactt
2701 ccggcagccc tctgggacca tgcgtggggt tgcagatgga gagaaccttg actgtgtttc
2761 ccggggcatt cagggtggga agtgtagctg ggtgtgtttc ttagaggttc ttagtggcag
2821 attatttcat ggttgtatg tgcaagaagt gggattgtca tcttctact cgaaaaaaa
2881 ttattttcat caataagctc tgcaagaagt gggattgtca tcttctact cgaaaaaaa

```

//

Disclaimer | Write to the Help Desk  
NCBI | NLM | NIH

View: 1000 bp